

Machine Id
FORD 515590
Component
Diesel Engine
Fluid
SAE 5W30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0085546	---	---
Sample Date		Client Info		25 Feb 2024	---	---
Machine Age	kms	Client Info		7079	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				MARGINAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	7	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	4	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	7	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

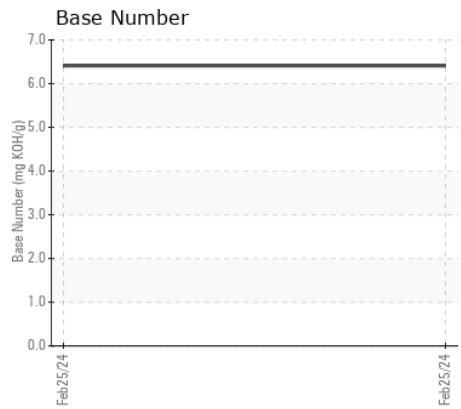
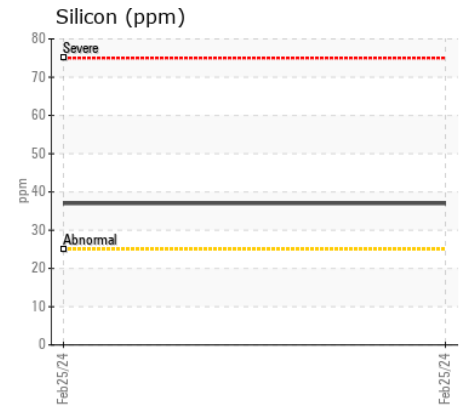
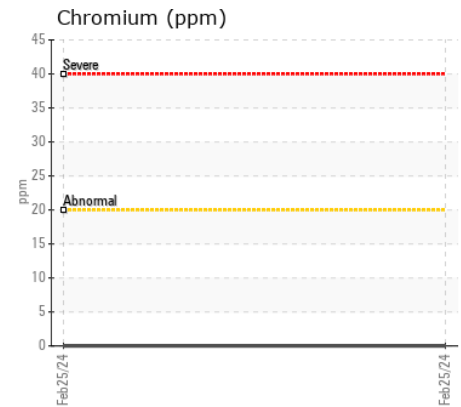
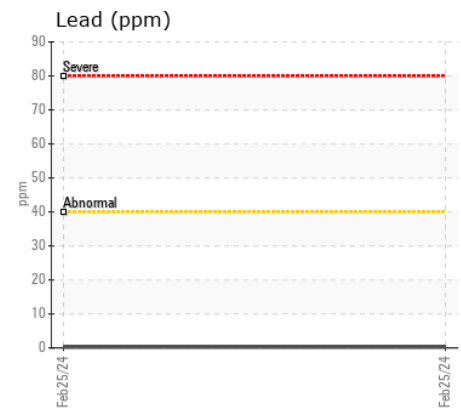
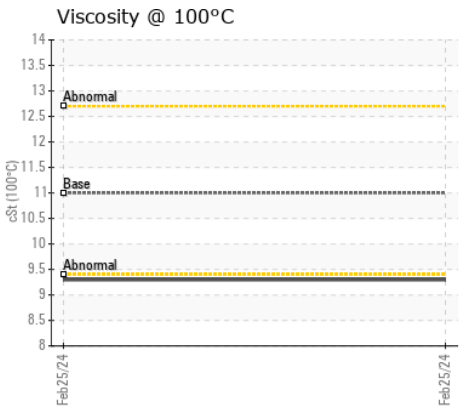
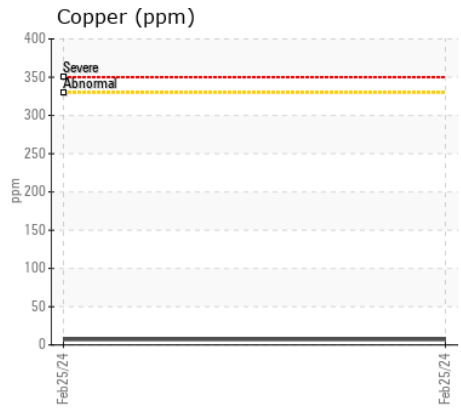
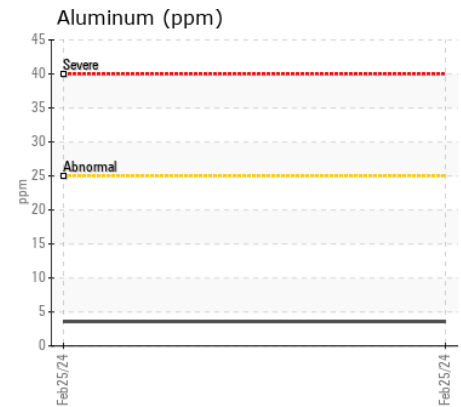
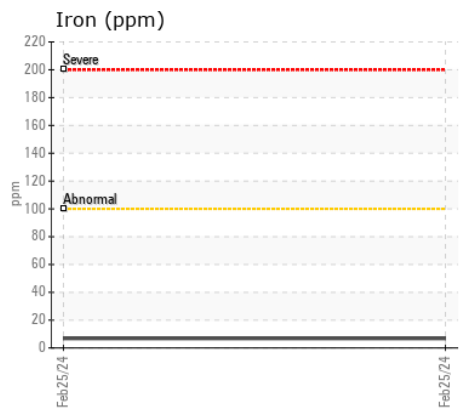
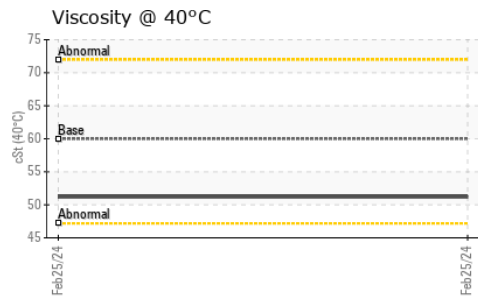
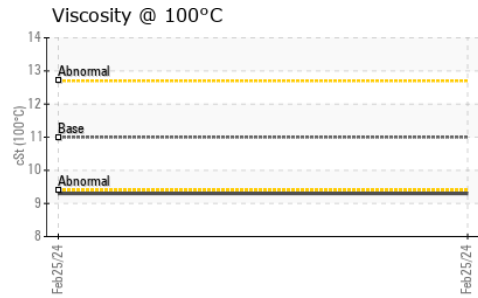
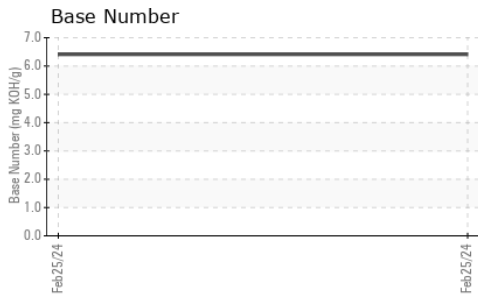
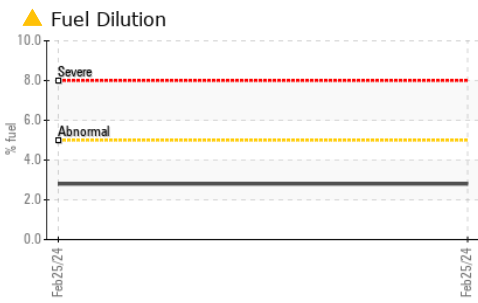
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>25	37	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel	%	ASTM D7593*	>5	▲ 2.8	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	8.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.1	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)		89	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		77	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		516	---	---
Calcium	ppm	ASTM D5185(m)		1250	---	---
Phosphorus	ppm	ASTM D5185(m)		673	---	---
Zinc	ppm	ASTM D5185(m)		746	---	---
Sulfur	ppm	ASTM D5185(m)		2448	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.9	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		6.41	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	60.0	51.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	9.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	177	166	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085546 **Received** : 26 Feb 2024
Lab Number : 02618011 **Tested** : 27 Feb 2024
Unique Number : 5735121 **Diagnosed** : 27 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

UPS CANADA
 2900 STEELES AVE W
 CONCORD, ON
 CA L4K 3S2
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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